

John Scott Russell. *On the Nature, Properties, and Applications of Steam, and on Steam Navigation: from the Seventh Edition of the Encyclopaedia Britannica*.  
Edinburgh: Adam and Charles Black, 1841.

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*G. A. C. Elliott*  
*James J. M.*

ON  
THE NATURE,  
PROPERTIES, AND APPLICATIONS  
OF  
STEAM,  
AND ON  
STEAM NAVIGATION.

FROM THE SEVENTH EDITION OF THE  
ENCYCLOPÆDIA BRITANNICA

BY  
JOHN SCOTT RUSSELL, M.A.F.R.S.E.  
VICE-PRESIDENT OF THE SOCIETY OF ARTS  
FOR SCOTLAND, &c. &c. &c.

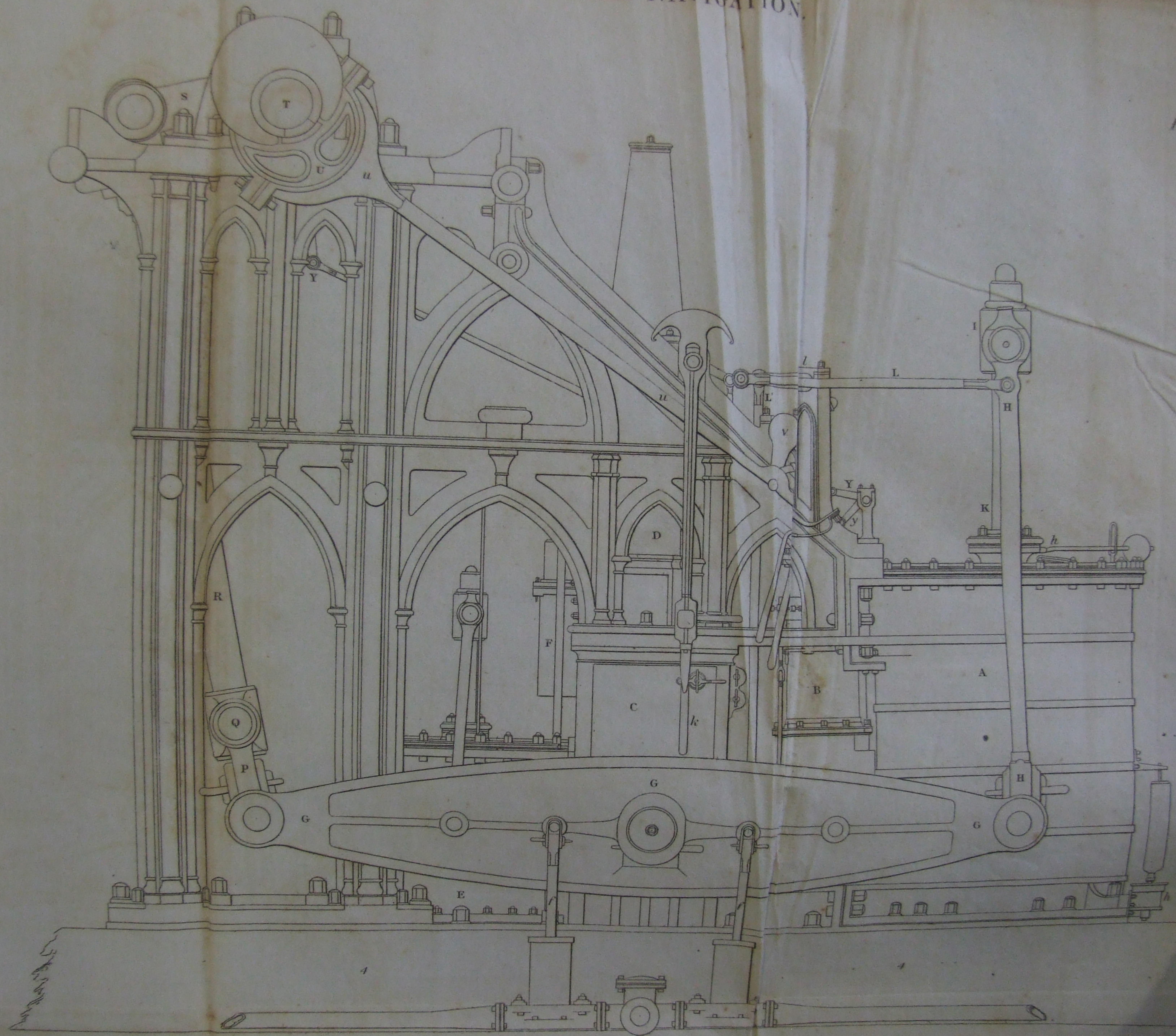
EDINBURGH:  
ADAM AND CHARLES BLACK, NORTH BRIDGE,  
BOOKSELLERS TO HER MAJESTY.

MDCCCLXI.



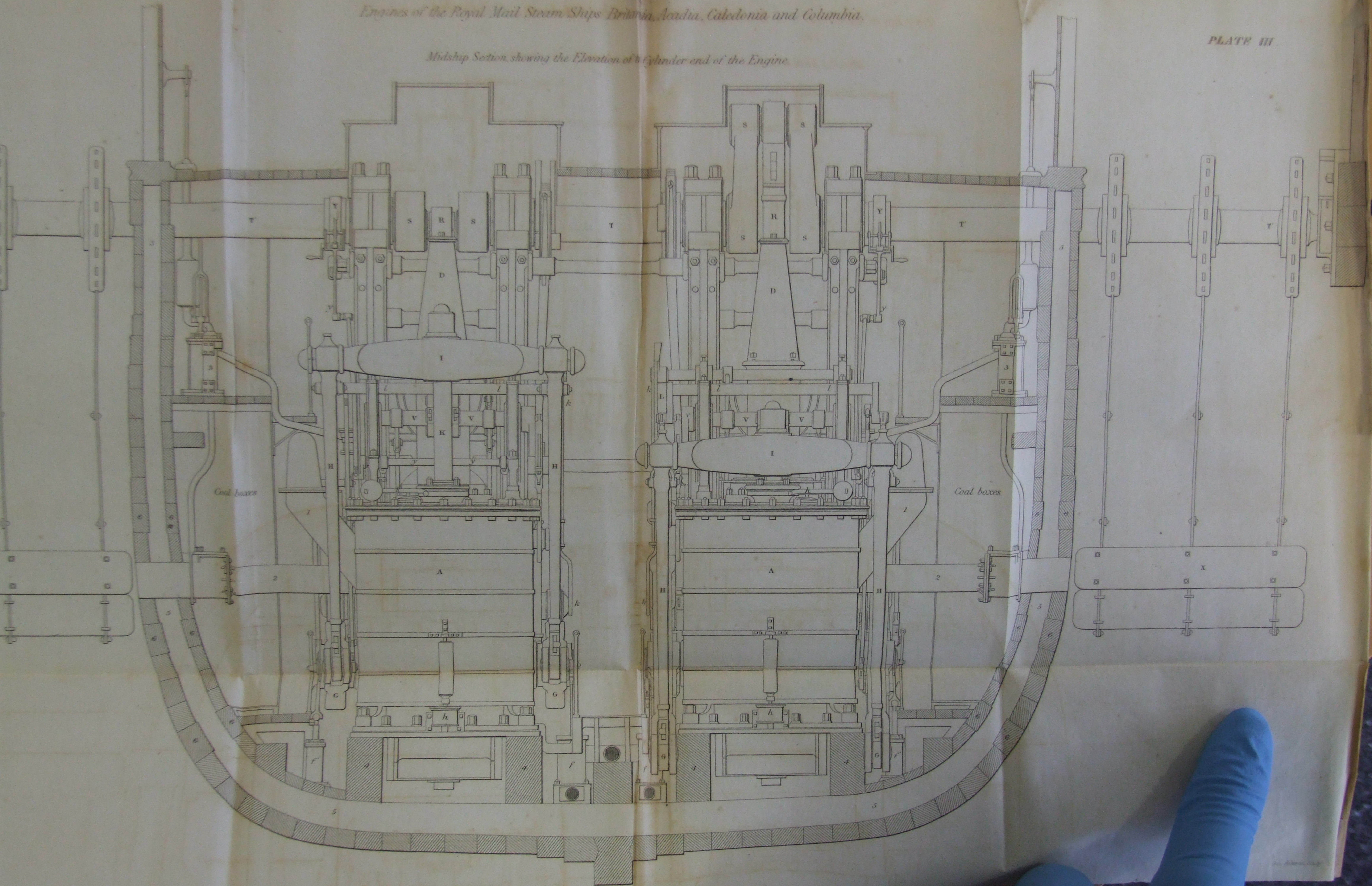
STEAM NAVIGATION.

PLATE I.



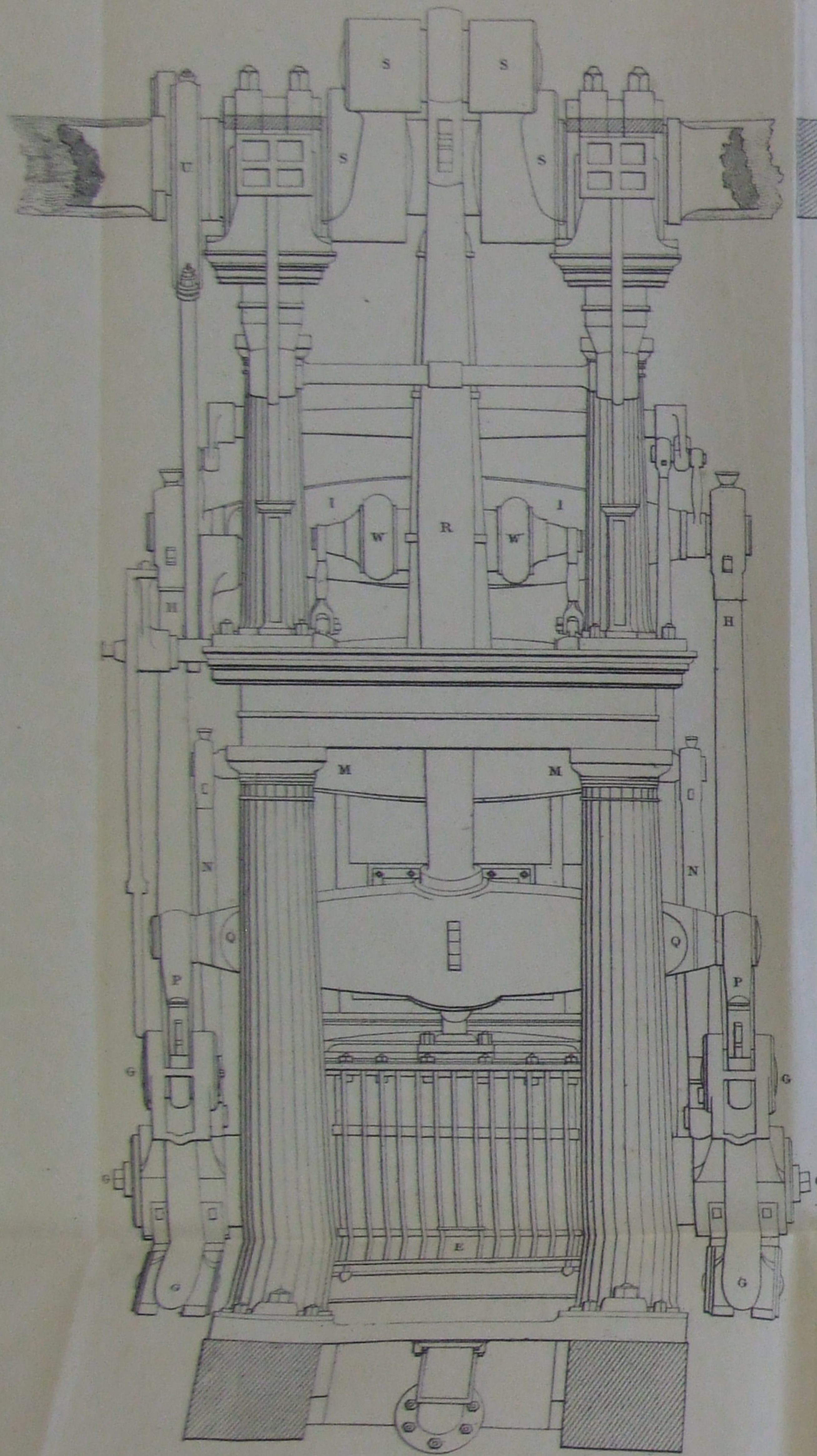


*Midship Section, showing the Elevation of the Cylinder end of the Engine*



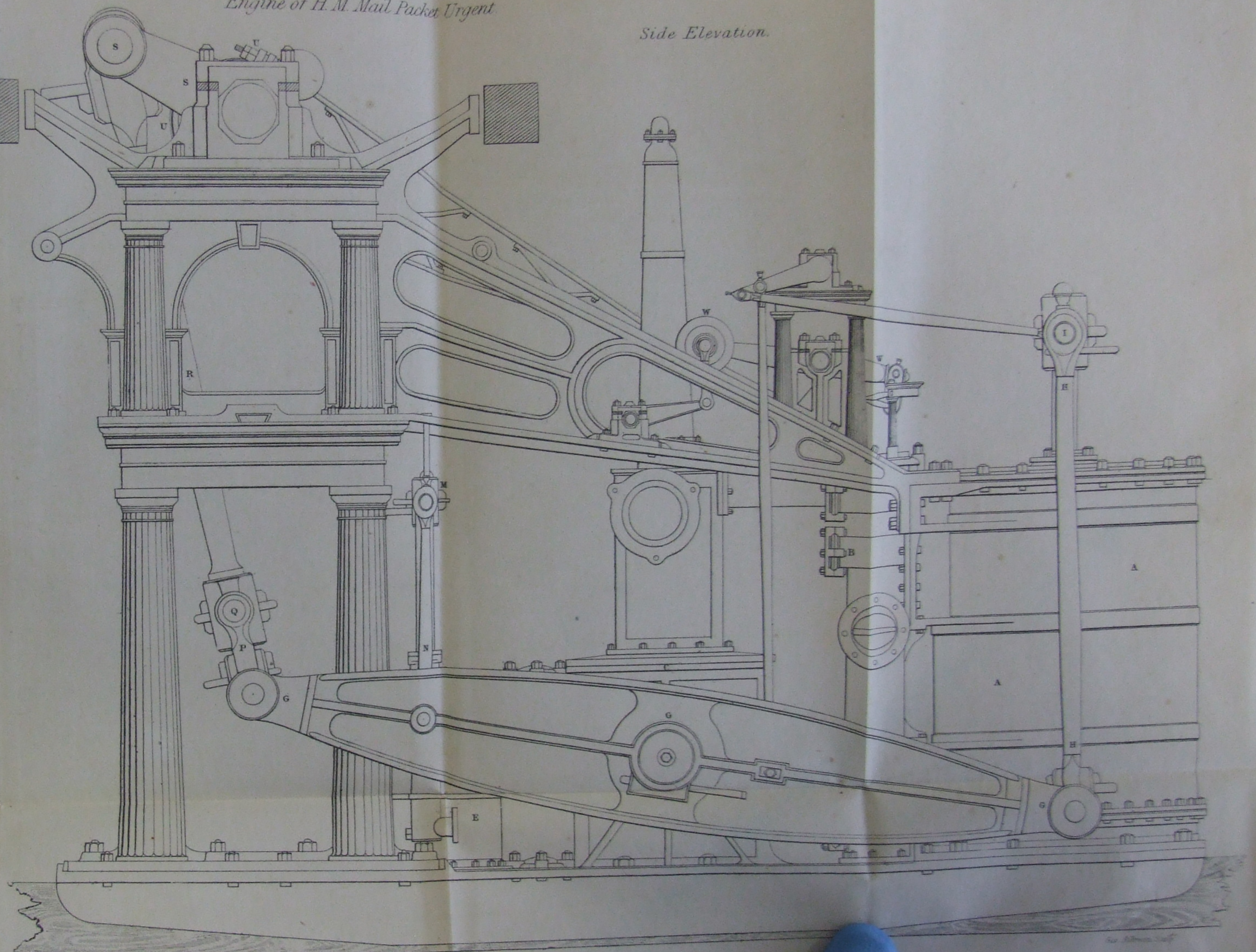


End Elevation.



STEAM NAVIGATION.  
*Engine of H. M. Mail Packet Urgent*

Side Elevation.

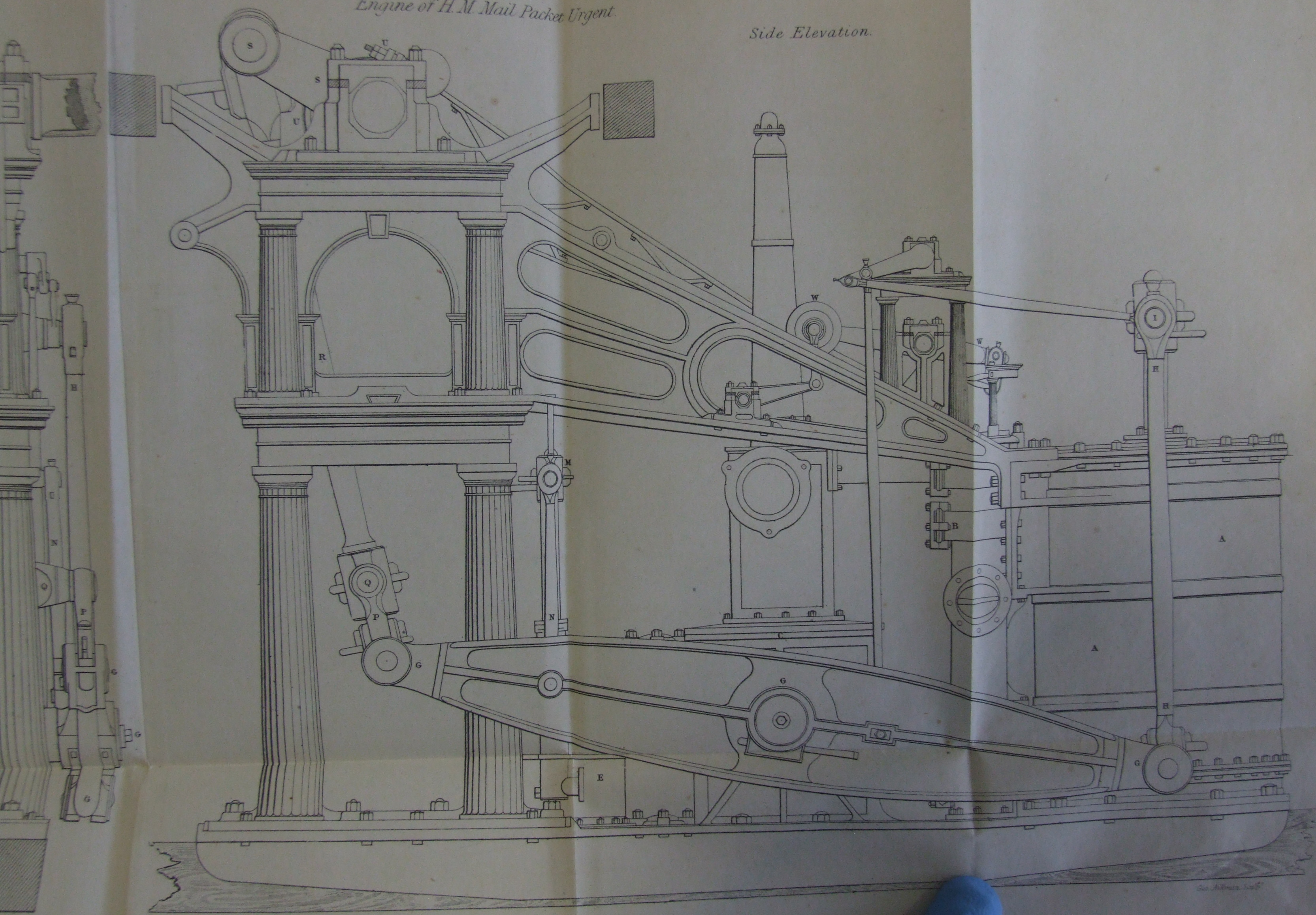




STEAM NAVIGATION.  
*Engine of H. M. Mail Packet Urgent.*

PLATE IV.

*Side Elevation.*

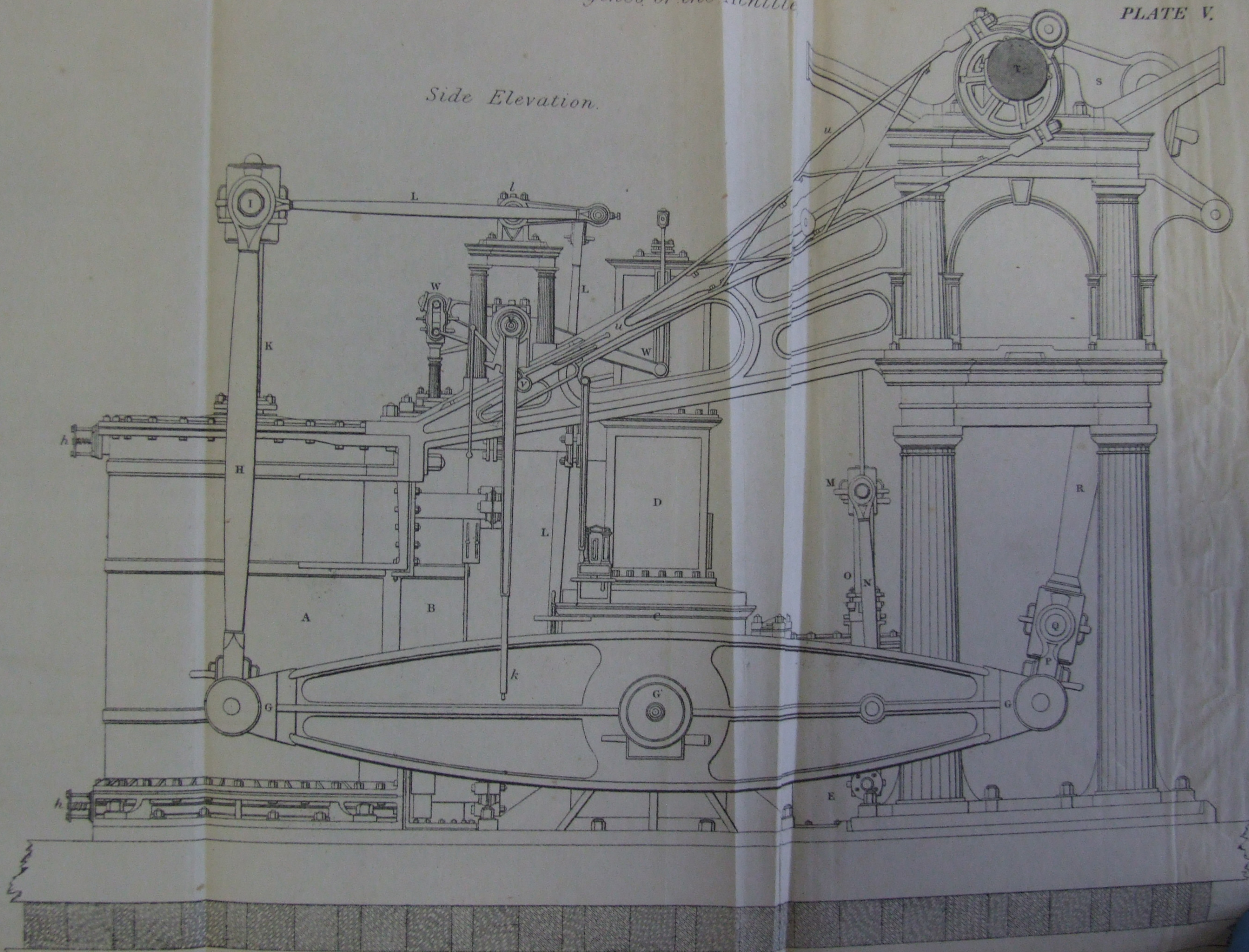




STEAM NAVIGATION  
*Engines of the Achilles*

PLATE V.

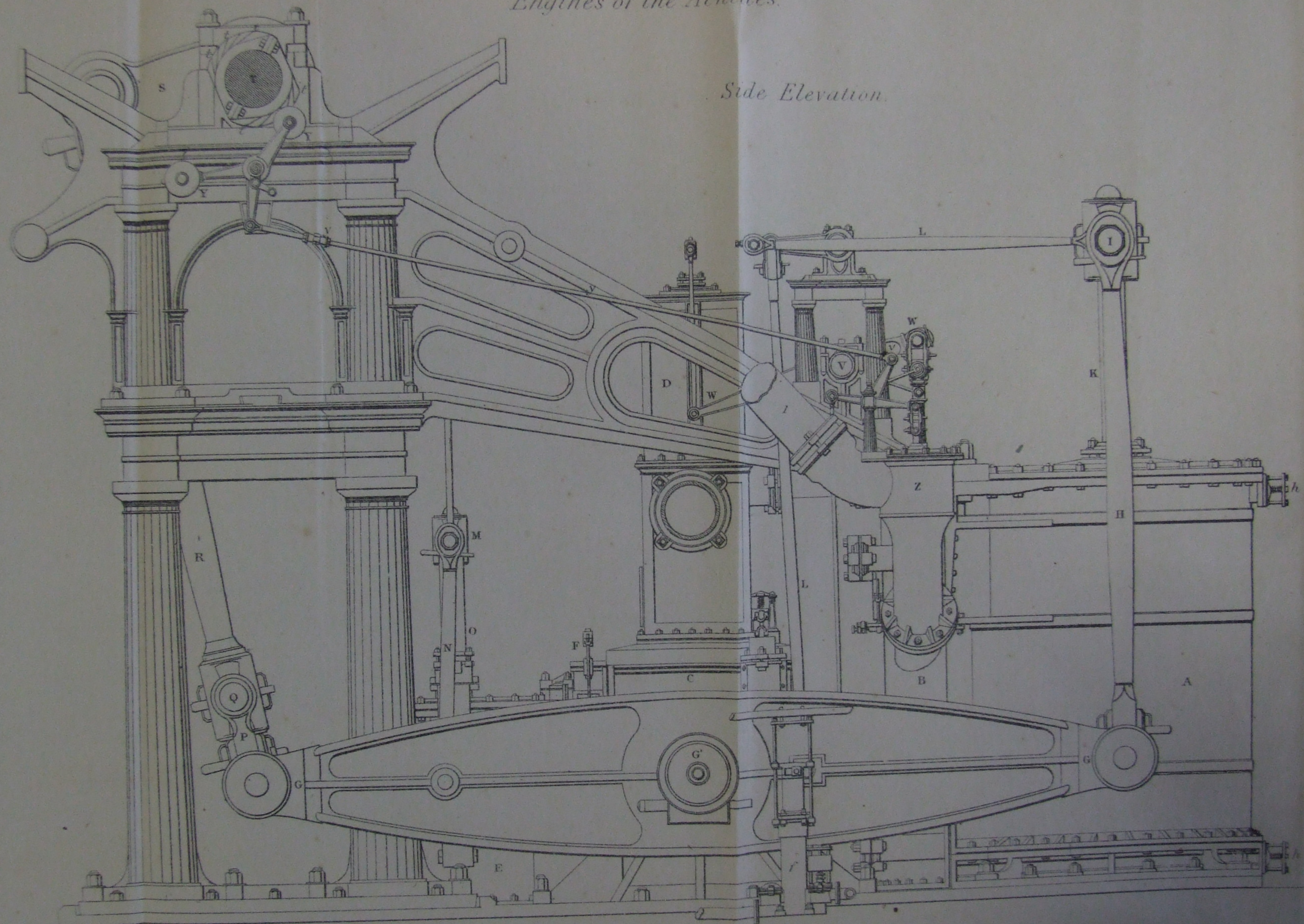
*Side Elevation.*





*Engines of the Achilles.*

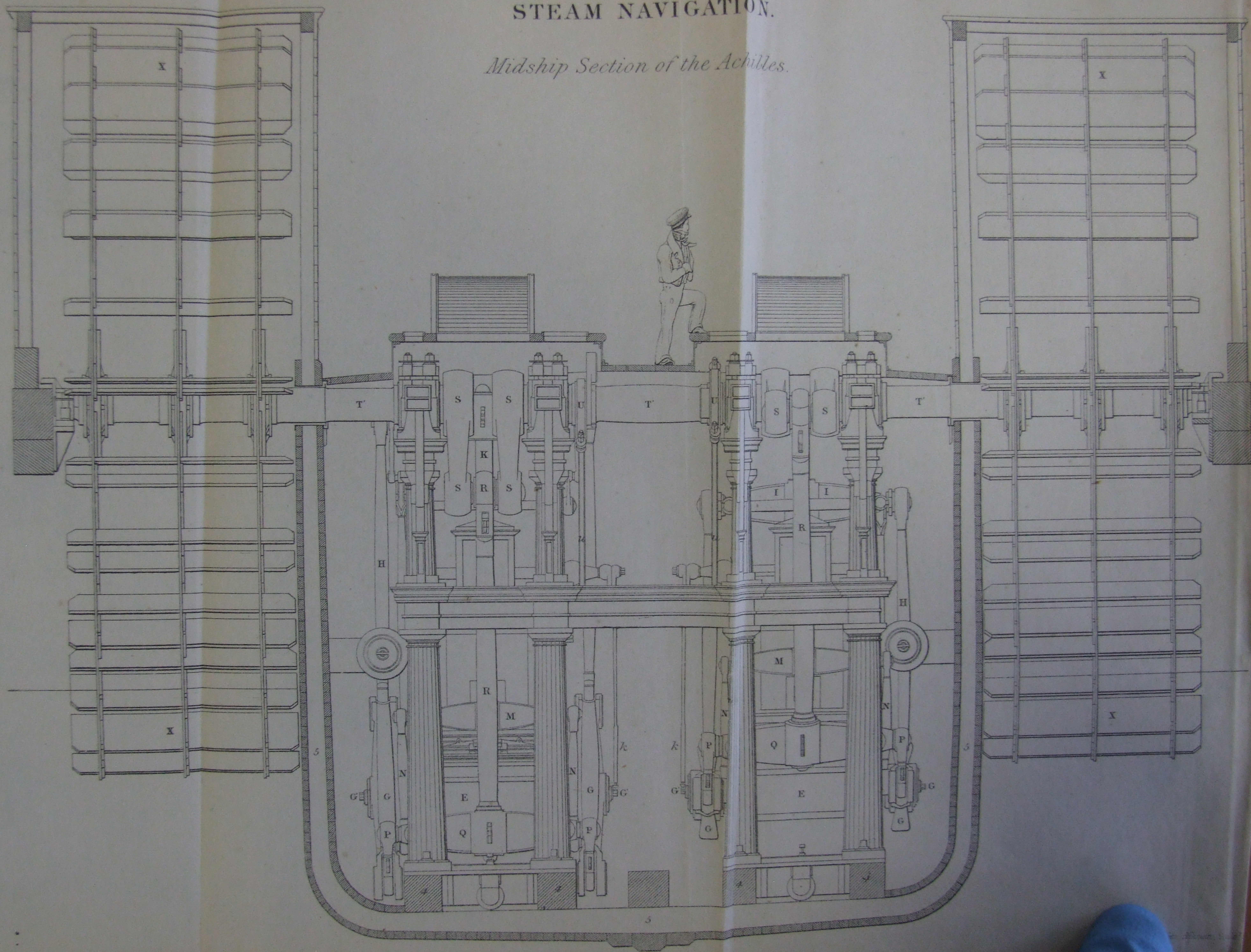
*Side Elevation.*





STEAM NAVIGATION.

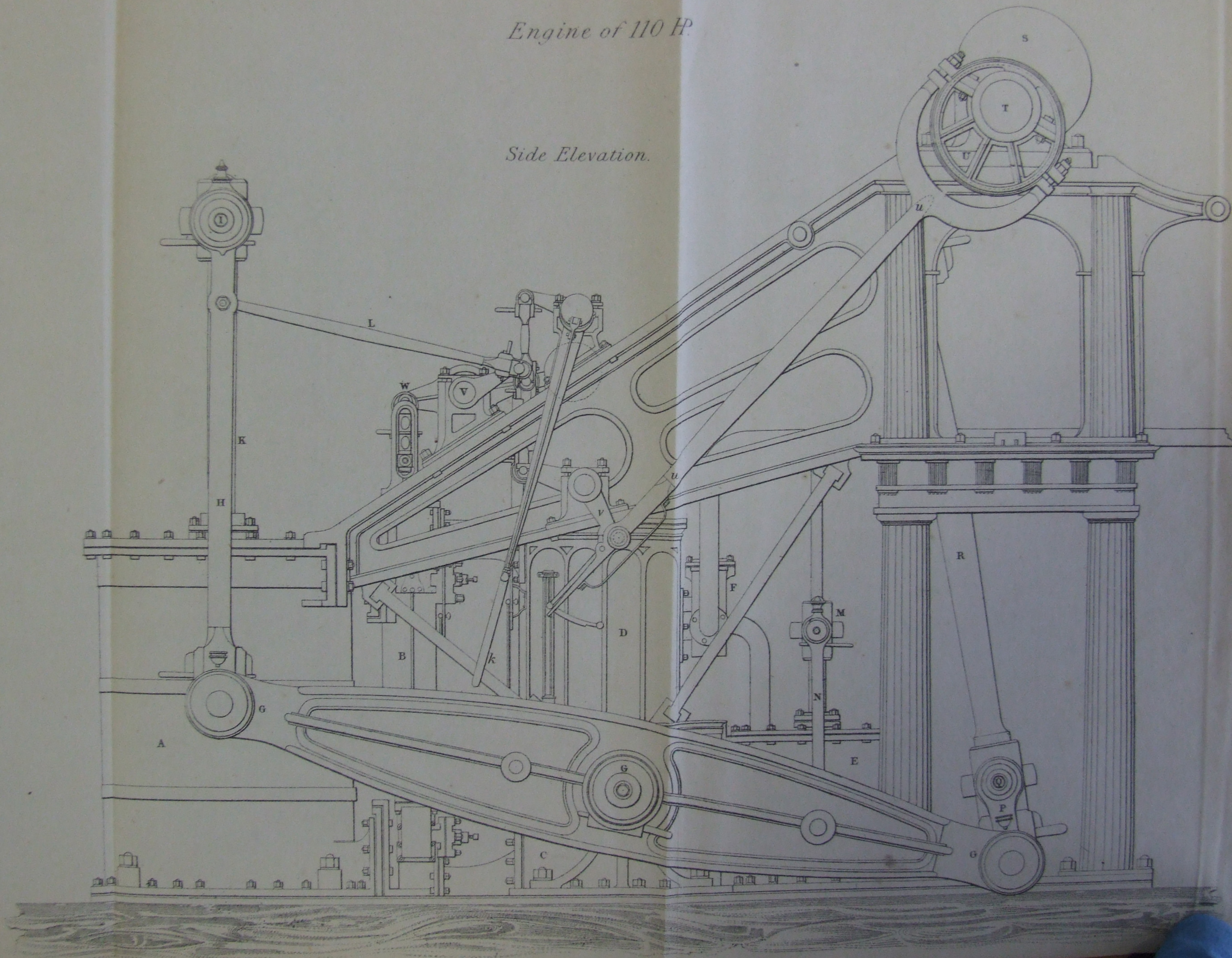
*Midship Section of the Achilles.*





Engine of 110 H.P.

*Side Elevation.*



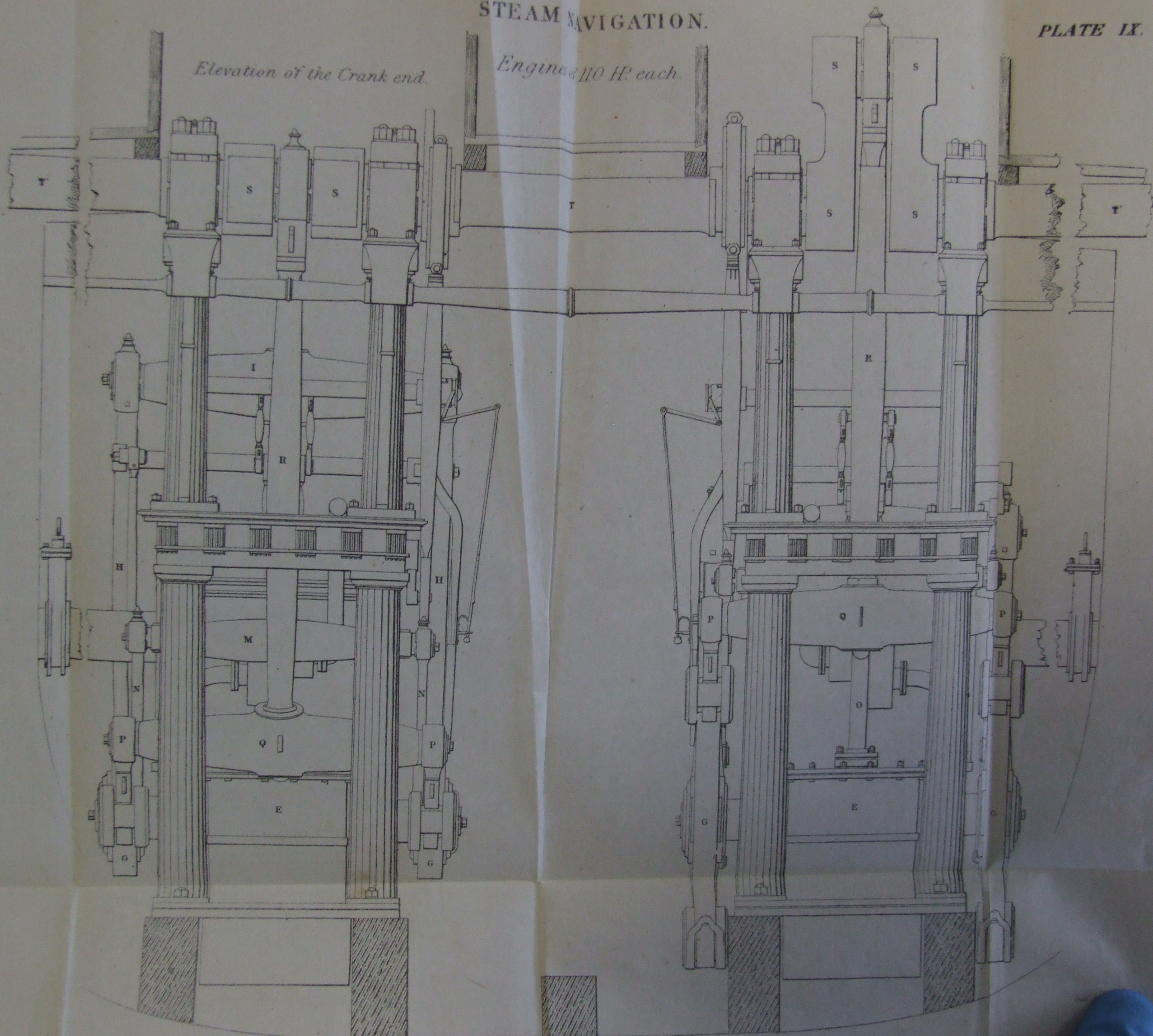


STEAM NAVIGATION.

PLATE IX.

*Elevation of the Crank end.*

*Engines of 110 H. each.*

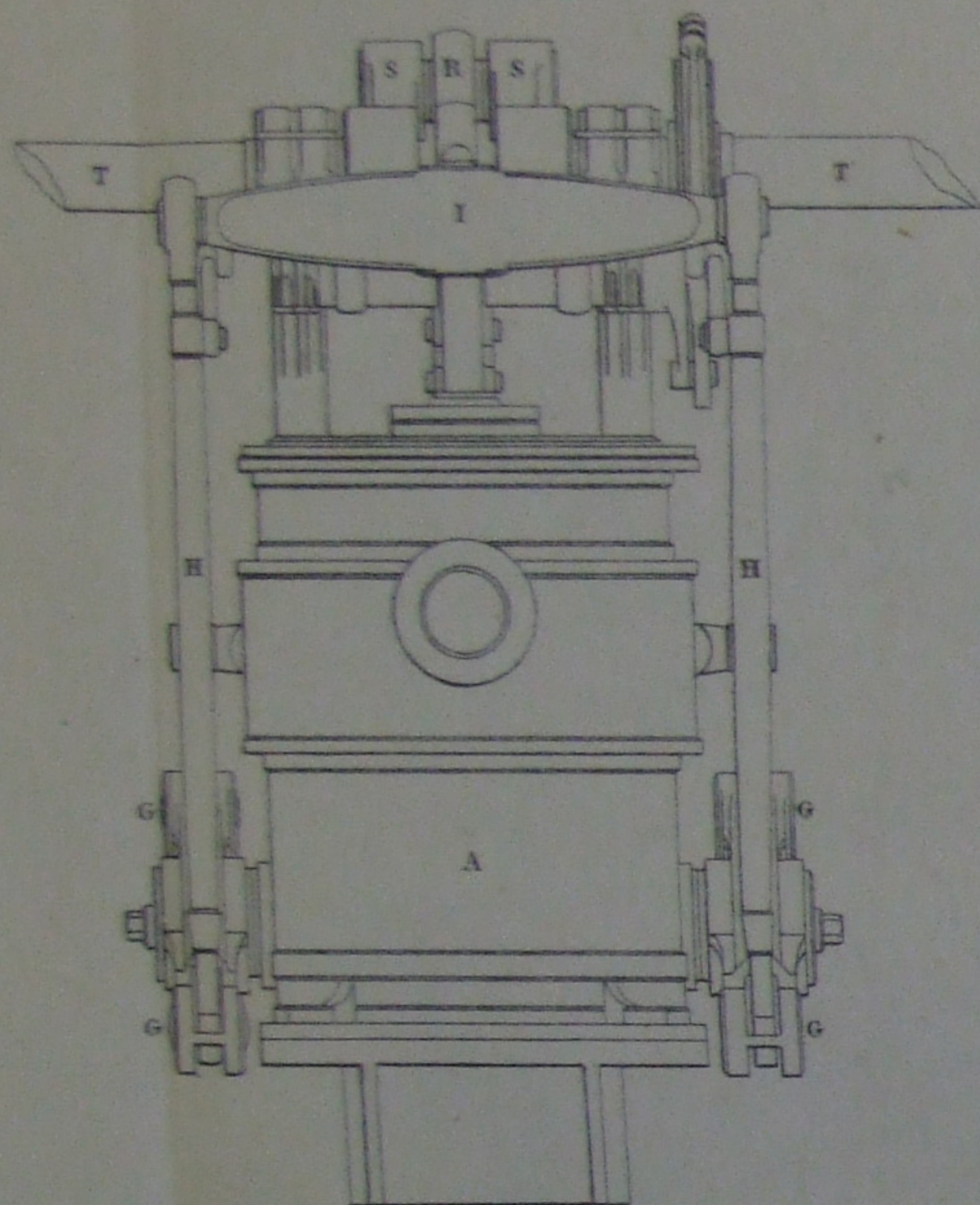




STEAM NAVIGATION.  
Single Marine Engine of 65 H.P.

PLATE XI.

Fig. 3.



Elevation of the Cylinder end.

Fig. 1.

Side Elevation.

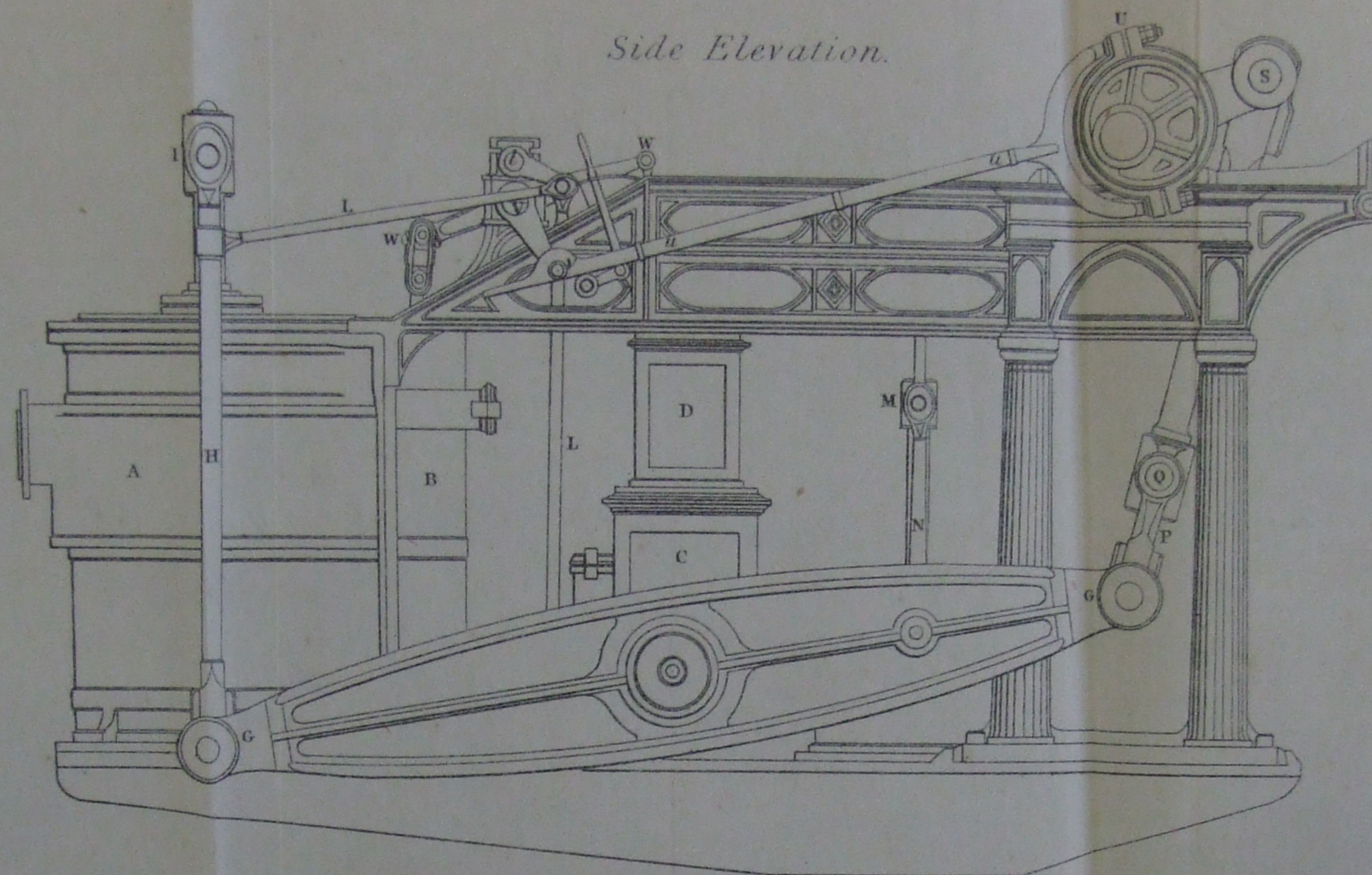
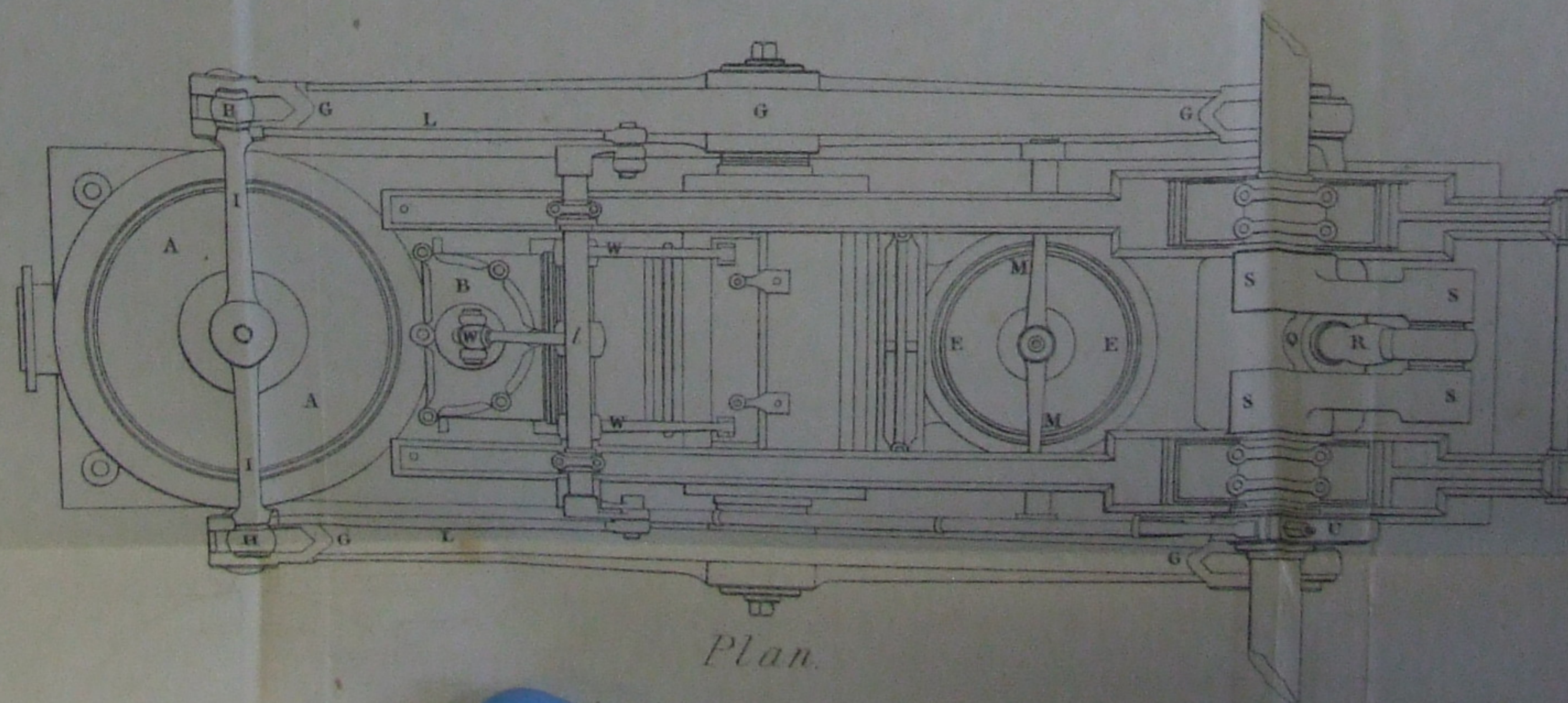
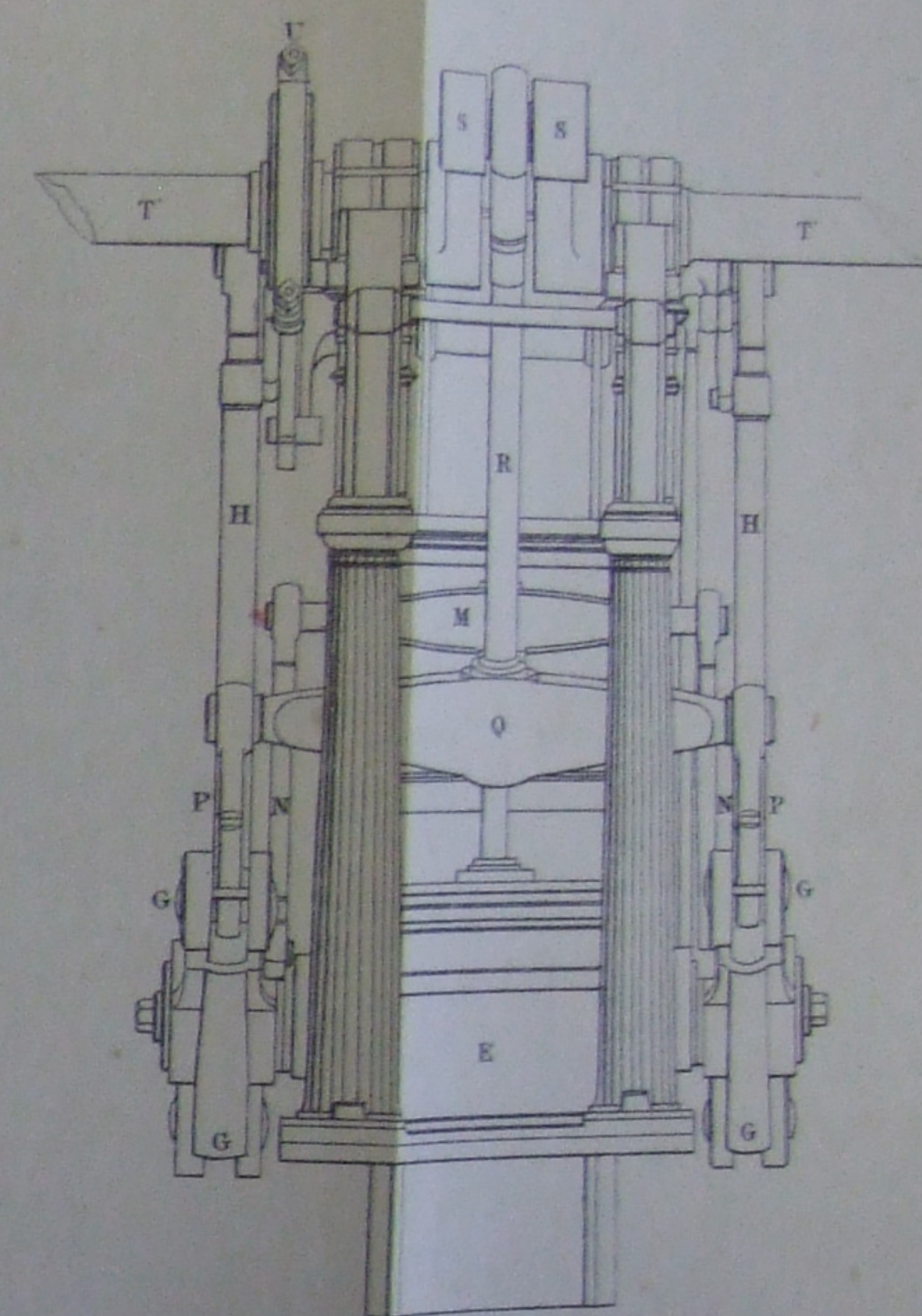


Fig. 2.



Plan.

Fig. 4.

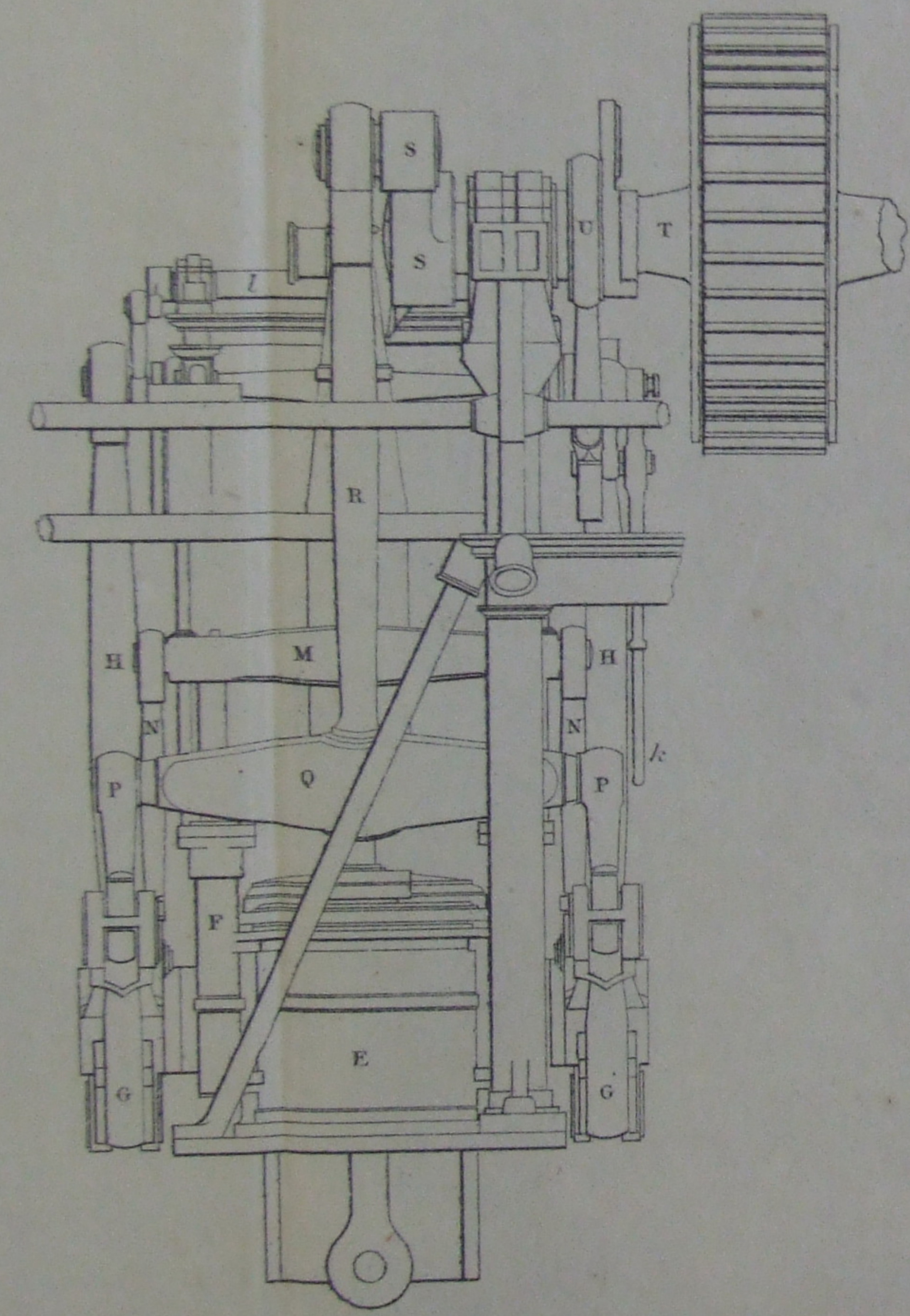


Elevation of the Crank end.

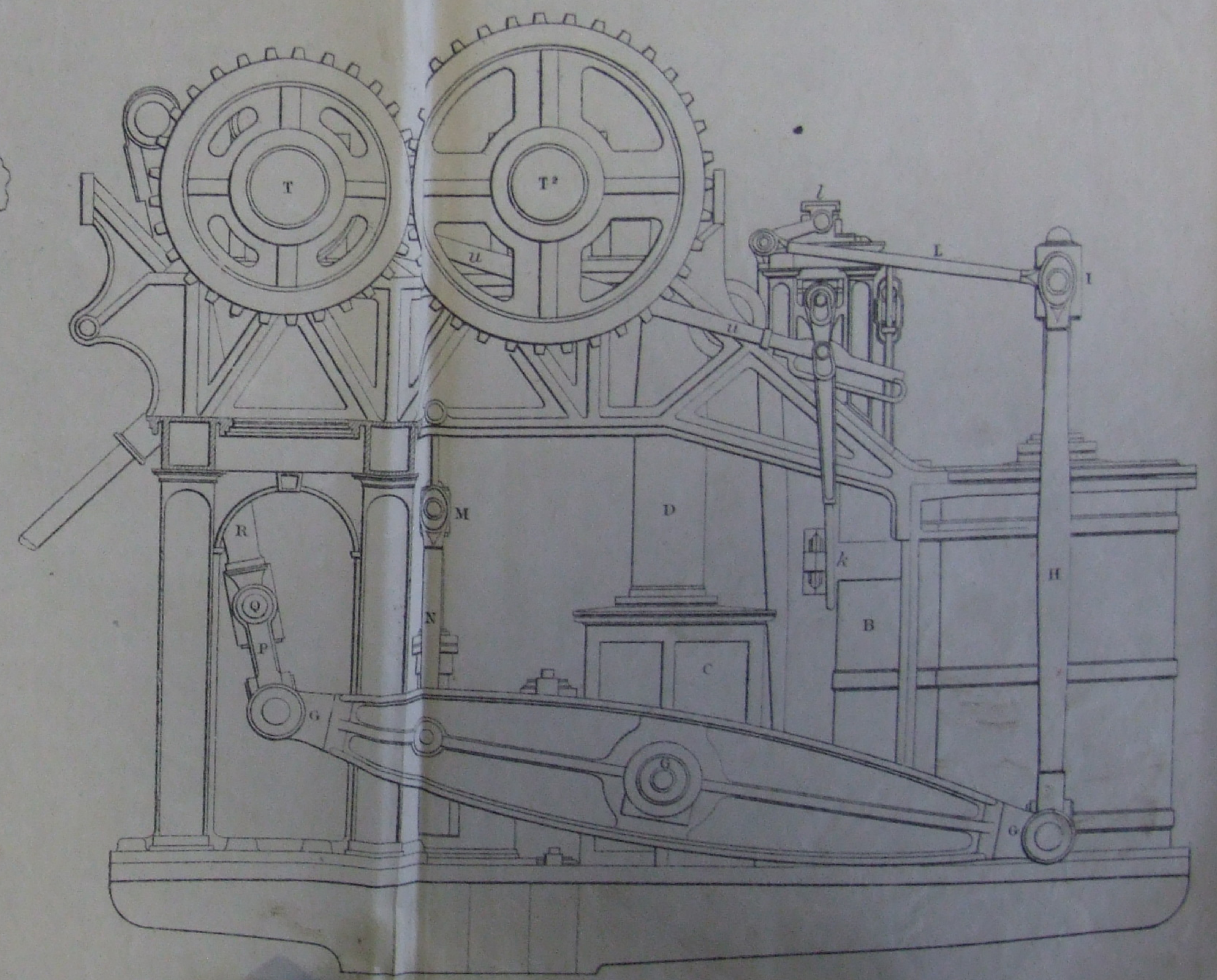


Double Towing Engine 145 HP

End Elevation.



Side Elevation.



Geo. Palmer, Sculp.



# STEAM NAVIGATION.

*Engines of direct connexion.*

PLATE XIII.

Fig. 2.

*End Elevation.*

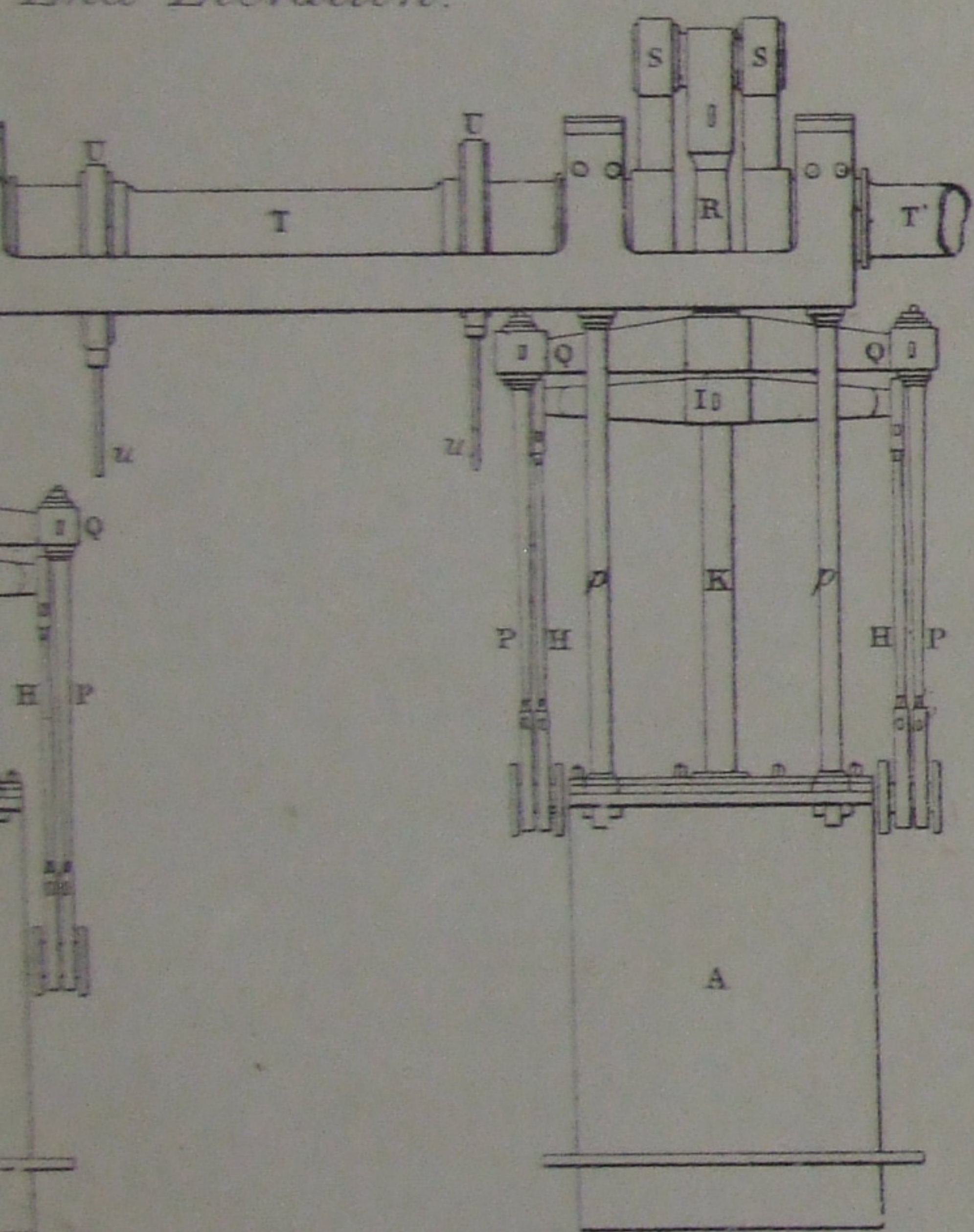
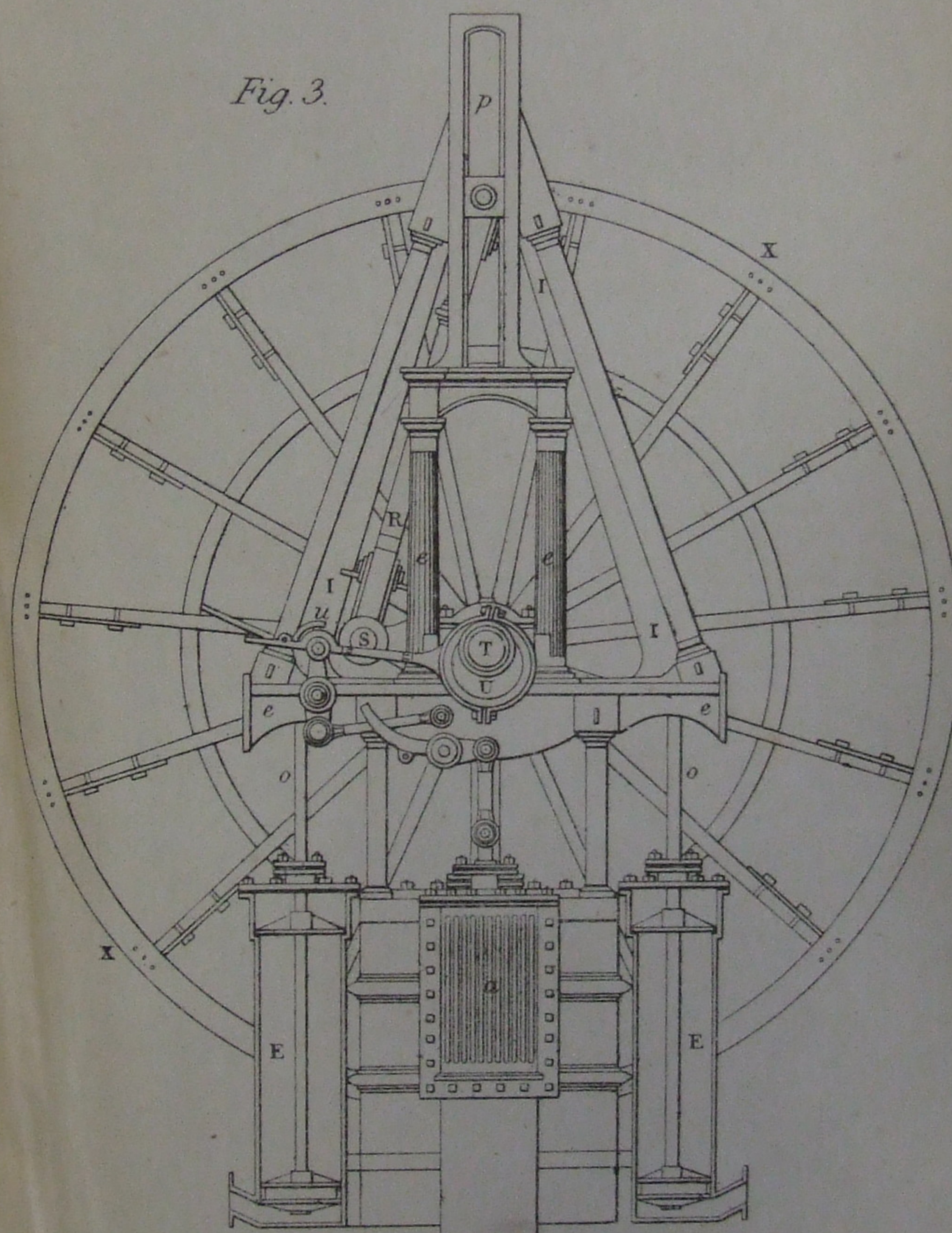
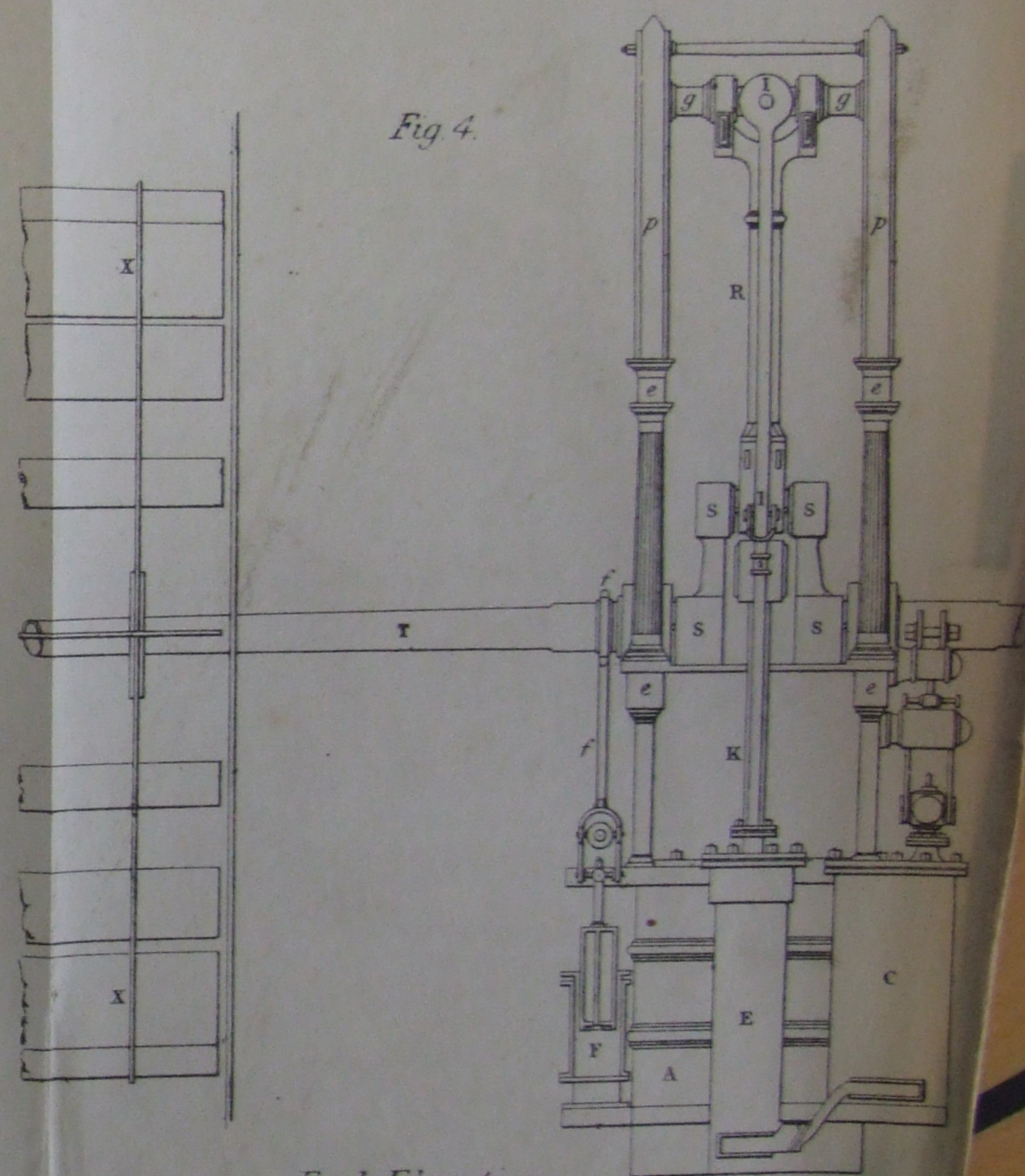


Fig. 3.



*Side Elevation.*

Fig. 4.



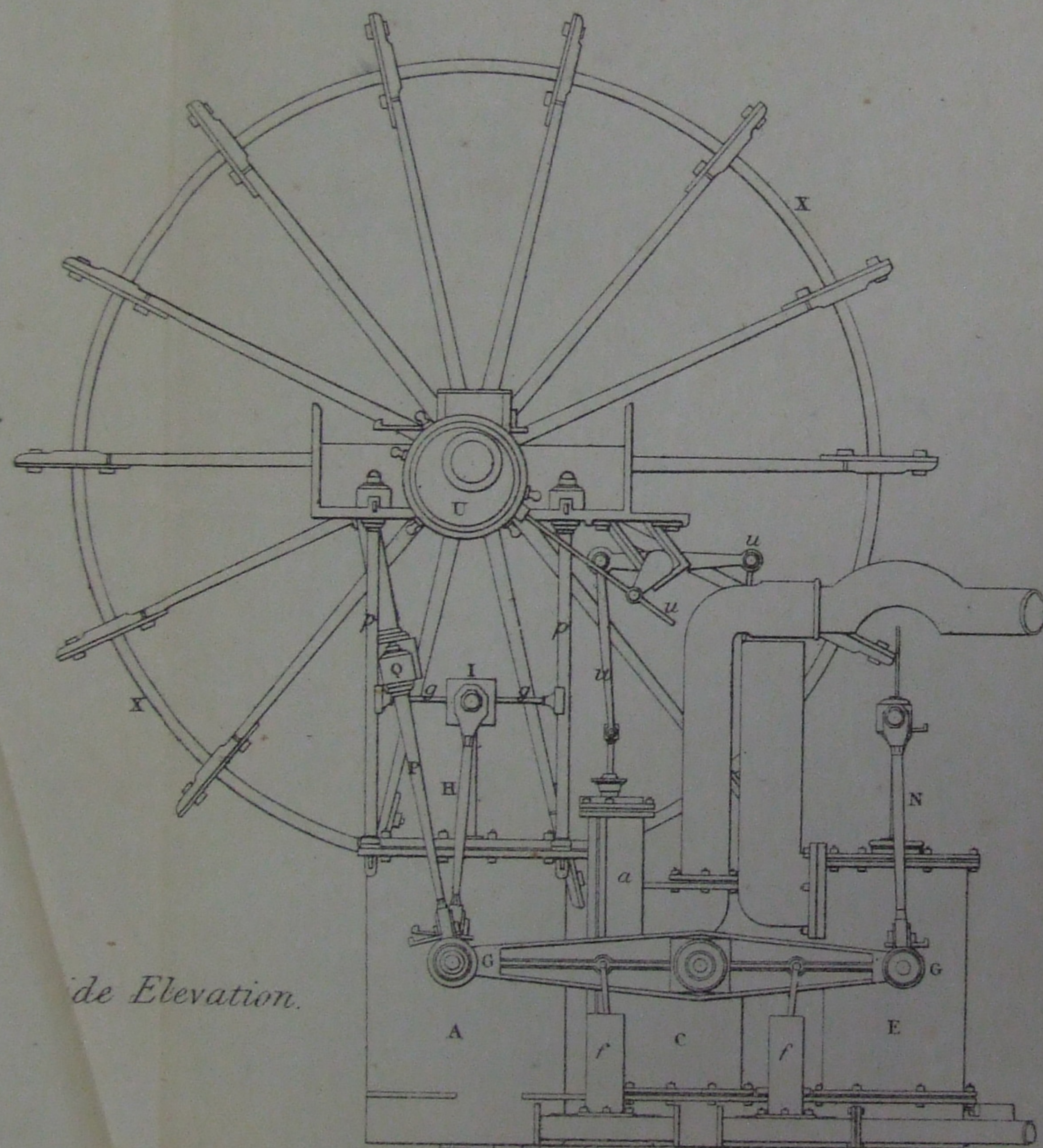
*End Elevation.*



# STEAM NAVIGATION.

*Engines of direct connexion.*

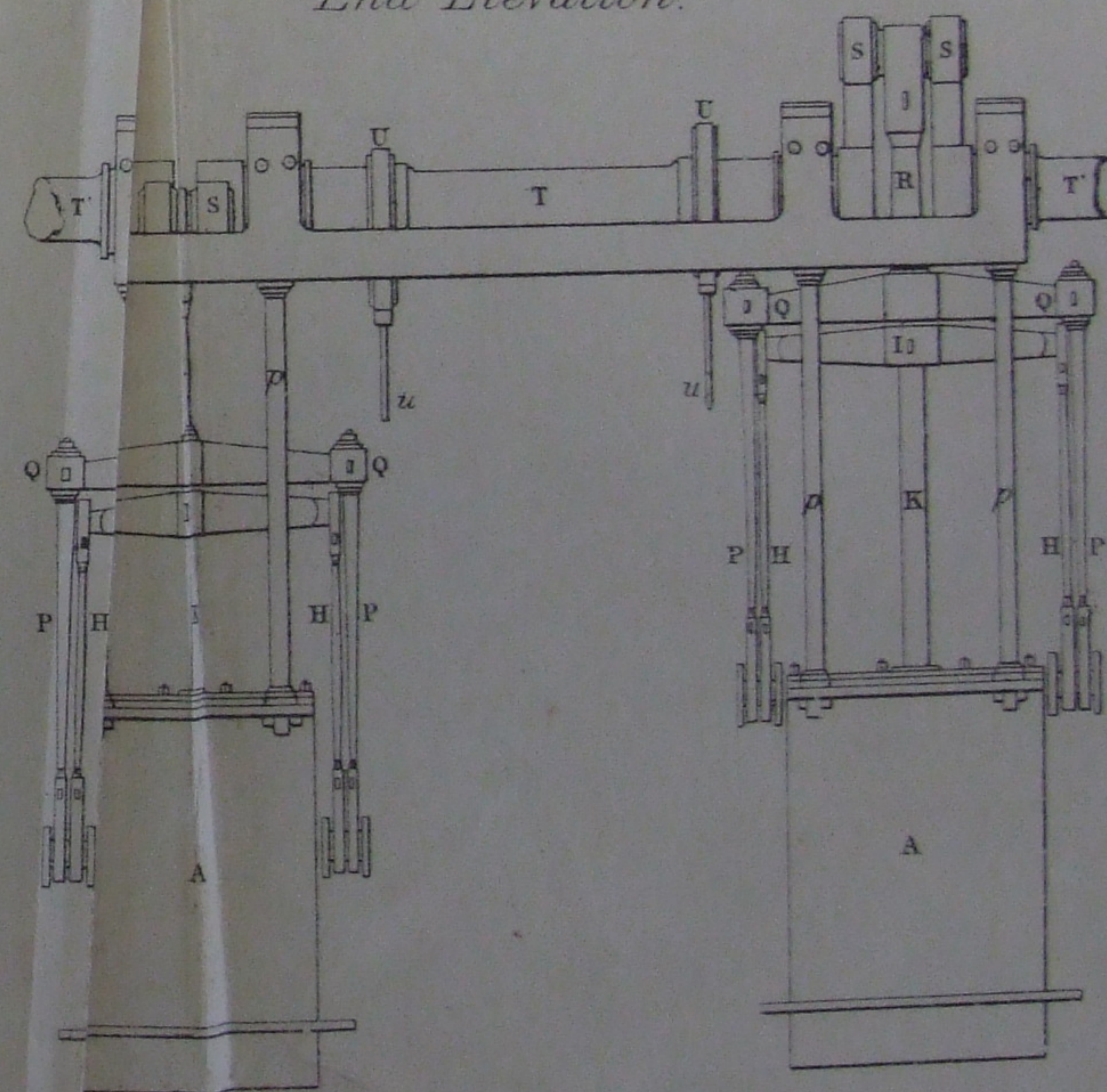
*Fig. 1.*



*Side Elevation.*

*Fig. 2.*

*End Elevation.*





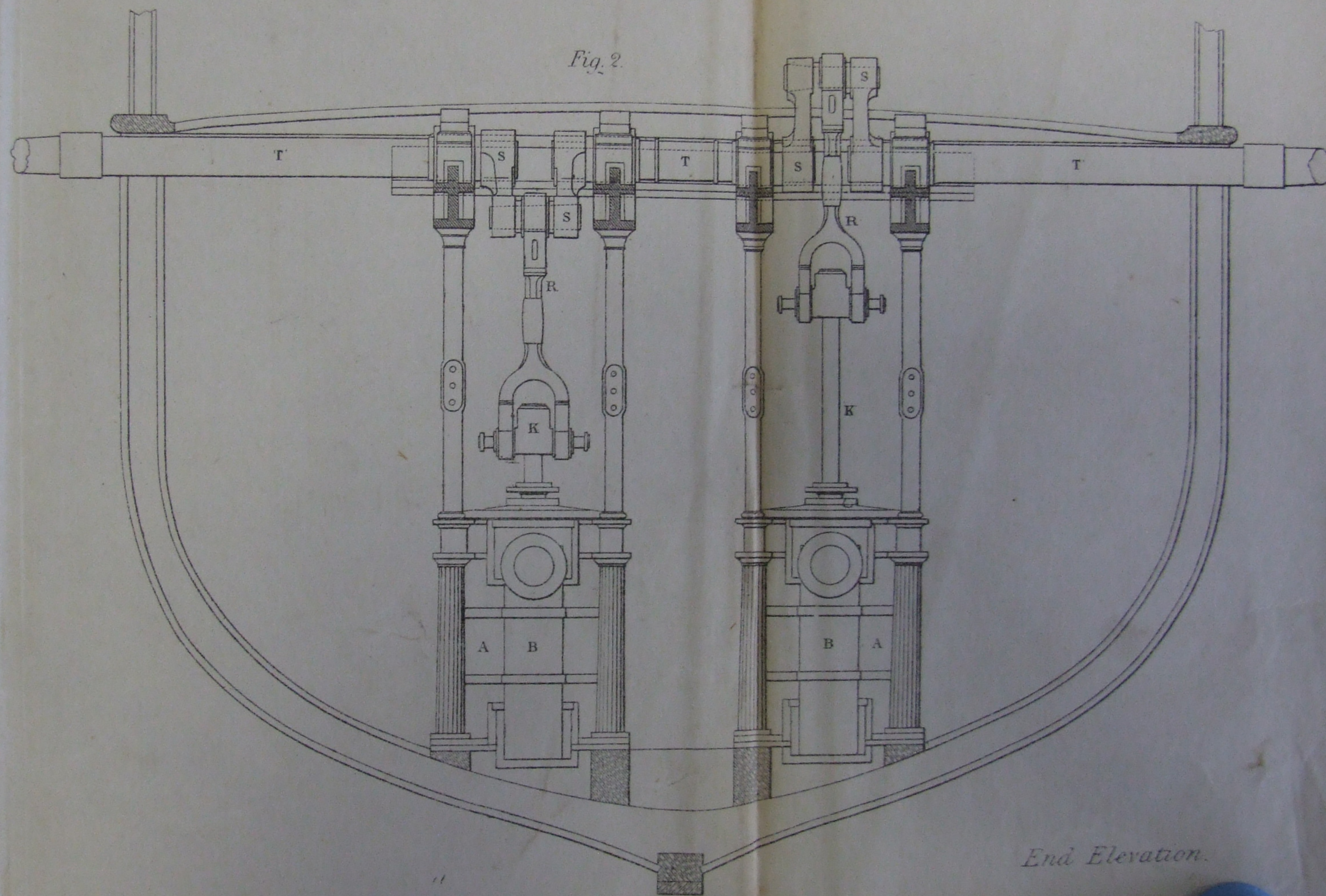
STEAM NAVIGATION.

*Engines of H.M. Steam-Frigates.*

*Gorgon, Cyclops, Prometheus and Alecto.*

PLATE XIV.

Fig. 2.

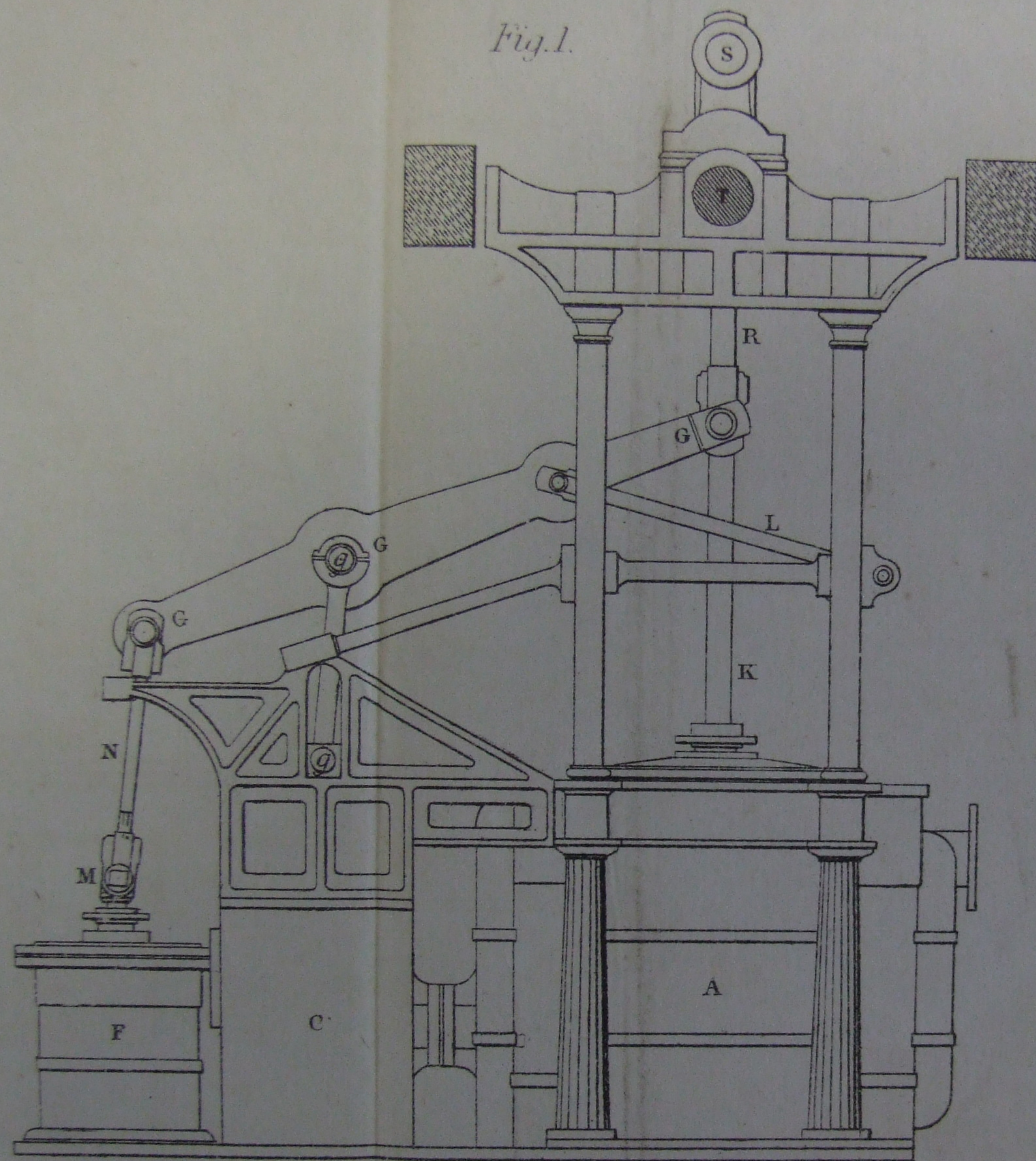


*Side Elevation.*

*End Elevation.*



Fig. 1.



*Side Elevation.*



ELEVATION OF A LOCOMOTIVE ENGINE

